

Valve With Adjustable Stop

Abstract

An adjustable mechanism for a valve or actuator is provided. The adjustable mechanism cooperates with one or more pistons, which in turn cooperates with a valve element to limit the axial displacement of the valve element relative to the valve seat. The adjustable mechanism can be adjusted axially, thereby providing a greater or lesser distance for the piston and diaphragm to travel. Embodiments incorporating the adjustable mechanism include a trickle valve, an on/off valve and a mixing valve. The adjustable mechanism also provides to the adjustment of the piston stroke to match or closely mirror the stroke of the valve element.